

FIG. 1

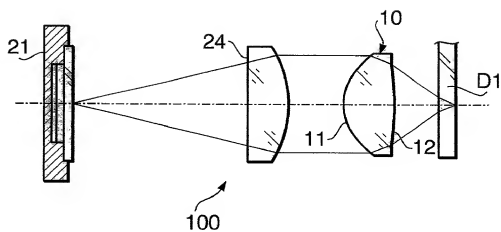


FIG.2A

FIG.2B

FIG.2C

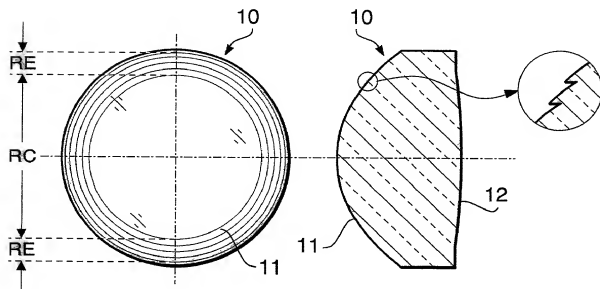


FIG. 3

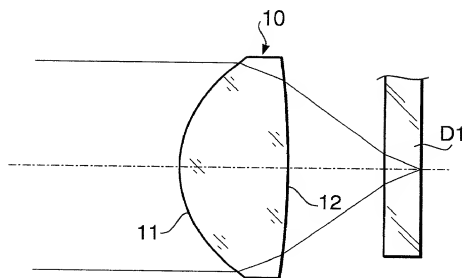
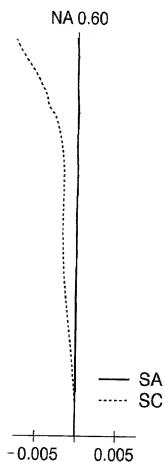
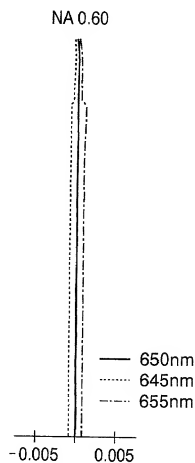


FIG.4A



SPHERICAL ABERRATION SA
SINE CONDITION SC

FIG.4B



SPHERICAL ABERRATION
CHROMATIC ABERRATION

FIG.5A

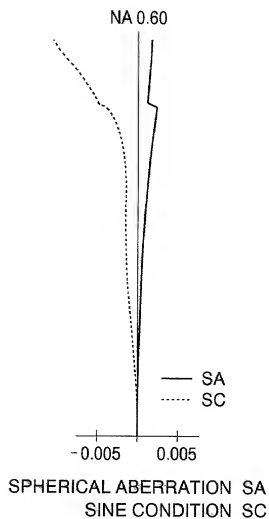


FIG.5B

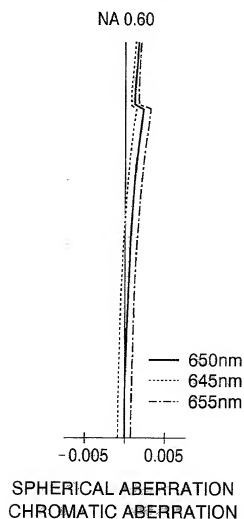


FIG.6A

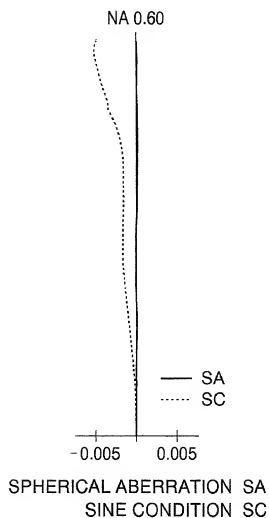


FIG.6B

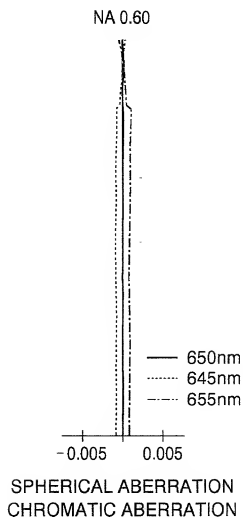


FIG. 7A

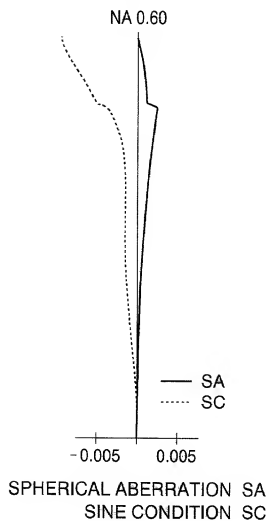


FIG. 7B

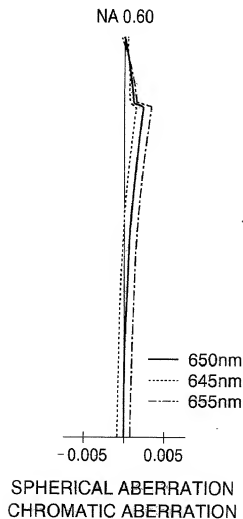


FIG. 8

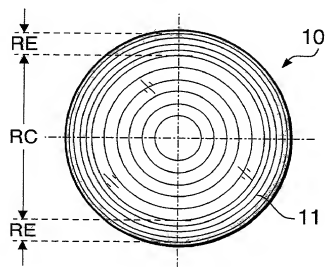
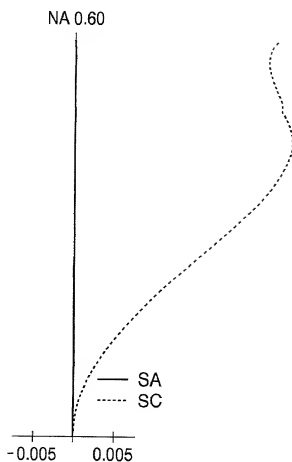
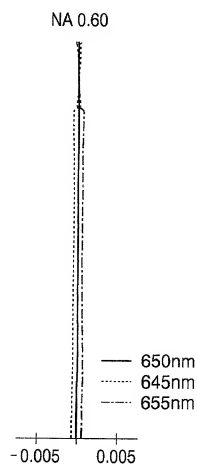


FIG.9A



SPHERICAL ABERRATION SA
SINE CONDITION SC

FIG.9B



SPHERICAL ABERRATION
CHROMATIC ABERRATION

FIG.10A

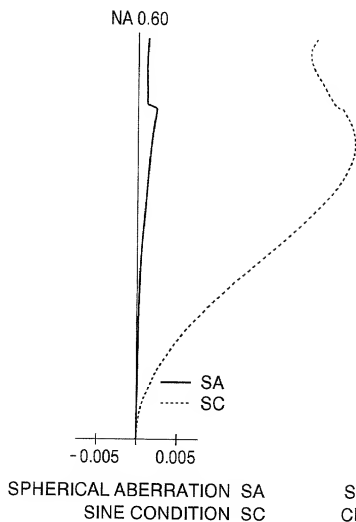


FIG.10B

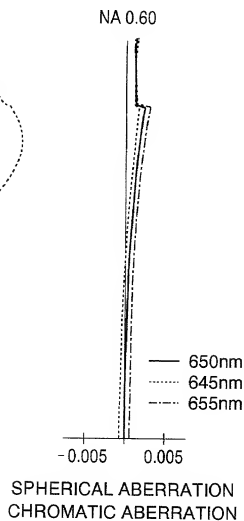


FIG.11

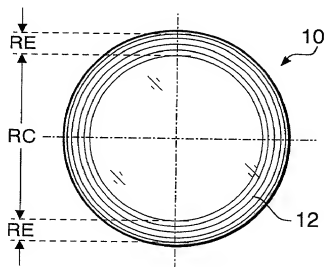


FIG.12A

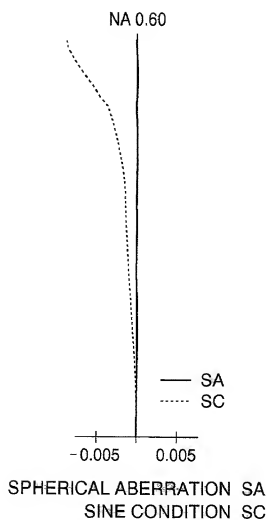
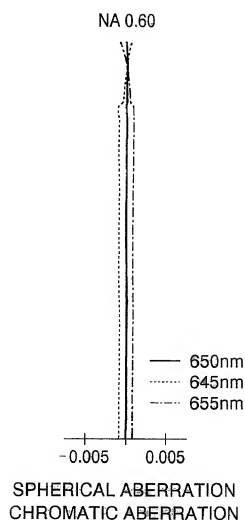
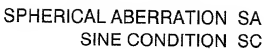


FIG.12B



[illegible]

NA 0.60

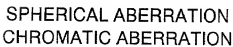
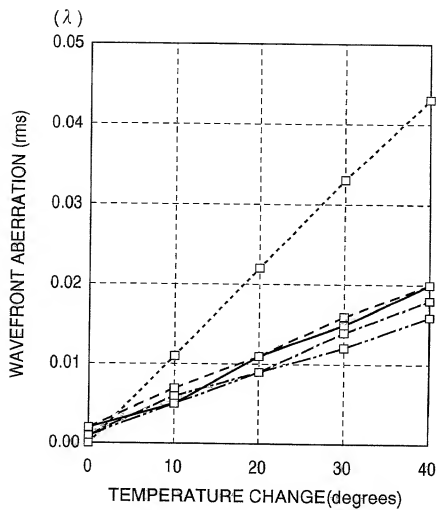


FIG.14



- 1ST EMBODIMENT
- .- 2ND EMBODIMENT
- ... 3RD EMBODIMENT
- 4TH EMBODIMENT
- COMPARATIVE EXAMPLE

FIG.15

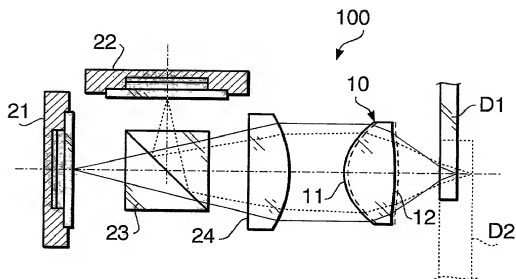


FIG.16

